

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims**

1. (Currently Amended) A method for throttling data transfer, comprising:  
determining an amount of resources that are in use;  
when the amount of resources reaches a high threshold, notifying one or more primary control units to temporarily stop sending data by sending a message, wherein the one or more primary control units that are notified to temporarily stop sending data are selected based on which ones are using a largest amount of resources and that have already received a message to temporarily stop sending data with a subsequent message to resume sending data or have not already received a message to temporarily stop sending data; and  
when the amount of resources reaches a low threshold, notifying each previously notified primary control unit to resume sending data by sending a message.
2. (Cancelled)
3. (Original) The method of claim 1, further comprising:  
at a primary control unit, resuming sending data after a predetermined period of time has expired without receipt of notification to resume sending data.
4. (Original) The method of claim 1, further comprising:  
when the amount of resources used is above a final threshold, re-notifying the one or more primary control units to temporarily stop sending data.
5. (Original) The method of claim 1, wherein at least one of the resources is a cache.
6. (Original) The method of claim 1, wherein the amount is measured by a percentage.
7. (Cancelled)

8. (Currently Amended) The method of claim [[7]] 1, further comprising:  
maintaining information on the amount of resources being used by each primary control  
unit.

9. (Currently Amended) An article of manufacture including a program for throttling  
data transfer, wherein the program causes operations to be performed, the operations comprising:

determining an amount of resources that are in use;

when the amount of resources reaches a high threshold, notifying one or more  
primary control units to temporarily stop sending data by sending a message, wherein the one or  
more primary control units that are notified to temporarily stop sending data are selected based  
on which ones are using a largest amount of resources and that have already received a message  
to temporarily stop sending data with a subsequent message to resume sending data or have not  
already received a message to temporarily stop sending data; and

when the amount of resources reaches a low threshold, notifying each previously notified  
primary control unit to resume sending data by sending a message.

10. (Cancelled)

11. (Original) The article of manufacture of claim 9, wherein the operations further  
comprise:

at a primary control unit, resuming sending data after a predetermined period of time has  
expired without receipt of notification to resume sending data.

12. (Original) The article of manufacture of claim 9, wherein the operations further  
comprise:

when the amount of resources used is above a final threshold, re-notifying the one or  
more primary control units to temporarily stop sending data.

13. (Original) The article of manufacture of claim 9, wherein at least one of the  
resources is a cache.

14. (Original) The article of manufacture of claim 9, wherein the amount is measured by a percentage.

15. (Cancelled)

16. (Currently Amended) The article of manufacture of claim [[15]] 9, wherein the operations further comprise:

maintaining information on the amount of resources being used by each primary control unit.

17. (Currently Amended) A system for throttling data transfer, comprising:  
means for determining an amount of resources that are in use;  
means for when the amount of resources reaches a high threshold, notifying one or more primary control units to temporarily stop sending data by sending a message, wherein the one or more primary control units that are notified to temporarily stop sending data are selected based on which ones are using a largest amount of resources and that have already received a message to temporarily stop sending data with a subsequent message to resume sending data or have not already received a message to temporarily stop sending data; and

means for when the amount of resources reaches a low threshold, notifying each previously notified primary control unit to resume sending data by sending a message.

18. (Cancelled)

19. (Original) The system of claim 17, further comprising:  
at a primary control unit, means for resuming sending data after a predetermined period of time has expired without receipt of notification to resume sending data.

20. (Original) The system of claim 17, further comprising:  
when the amount of resources used is above a final threshold, means for re-notifying the one or more primary control units to temporarily stop sending data.

21. (Original) The system of claim 17, wherein at least one of the resources is a cache.

22. (Original) The system of claim 17, wherein the amount is measured by a percentage.

23. (Cancelled)

24. (Currently Amended) The system of claim [[23]] 17, further comprising:  
means for maintaining information on the amount of resources being used by each primary control unit.